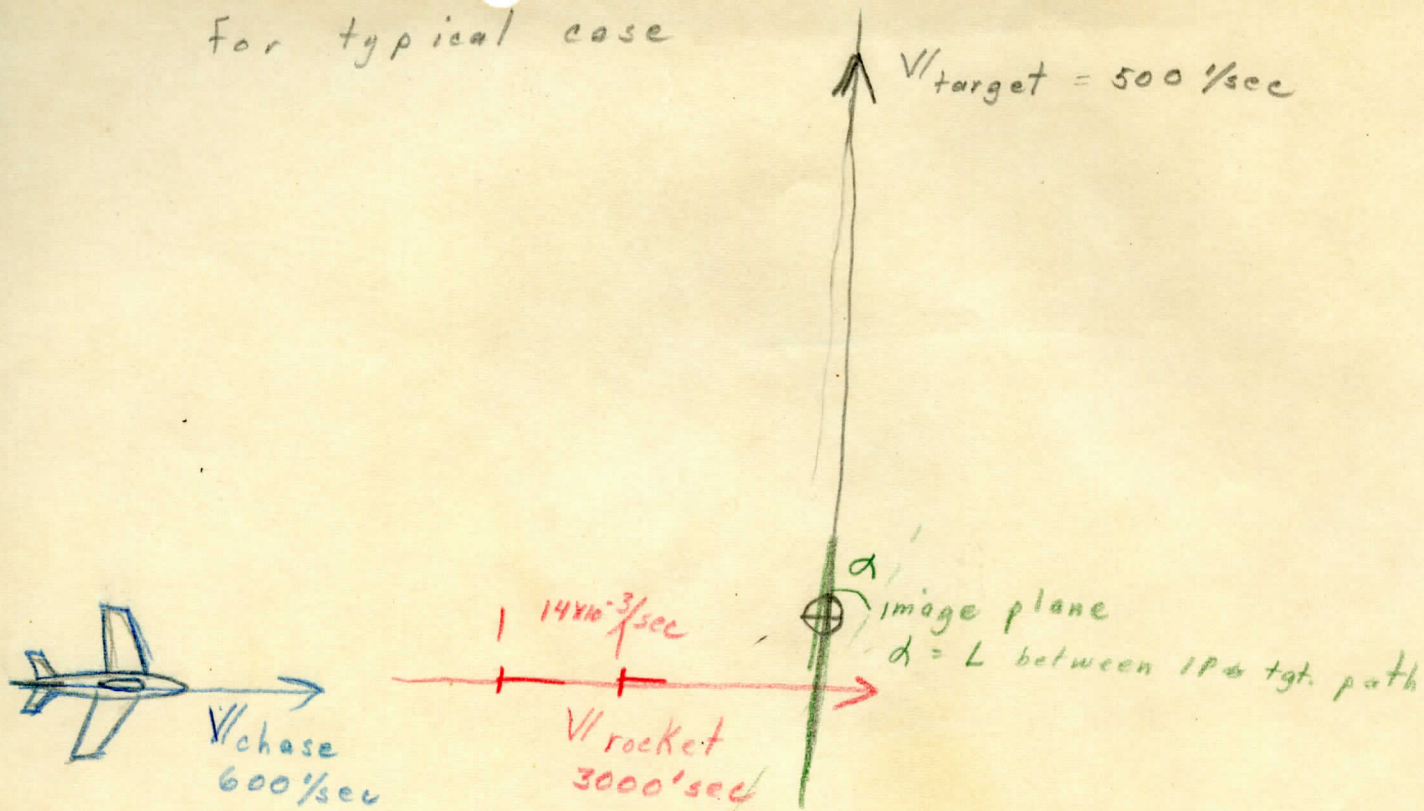


Probable Accuracy

For typical case



With a shutter speed of 40 fps. Images can be positioned without interpolation to $\pm \approx .025 \text{ sec}$.

PRF of 500 + dist res. of 40' range equivalence can be determined to $\frac{1}{500} + \frac{4}{3000} = .002 + .00133 \text{ sec}$



$= .002 + .00133 = .0033 \text{ millisecond}$
 total max error without interp. $\pm .04 \text{ sec}$
 target will move ~~.04~~ time error $\times V_t \times \sin \alpha$

For beam alt. with above errors $.04 \times 500 \times 1.5 \pm 20$
 this error will be unacceptable but can be reduced by $\frac{1}{10}$ by interpolation.

Errors in measurement were neglected.